

ABSTRACT

ENZYMES AS CORROSION INHIBITORS BY REMOVAL OF OXYGEN
DISSOLVED IN WATER

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The invention relates to a new process for water de-oxygenation, for application in aerosol products. The process involves the use of an enzymatic system based on an oxidase enzyme a substrate for the oxidase enzyme and 10 catalase. These two enzymes consume oxygen by a two step reaction with the substrate and hydrogen peroxide, which is formed in the first reaction.